

PRODUCT: Celecoxib

CATALOG #:	1574-100
AMOUNT:	100 mg
LOT #:	_____
Alternate Names:	[Celebrex] [Celebra] [Celecox] [Onsenal] [Solexa] [SC-58635] [YM-177]
CAS#:	169590-42-5
MOLECULAR FORMULA:	$C_{17}H_{14}F_3N_3O_2S$
MOLECULAR WEIGHT:	381.37
PURITY:	≥99%
APPEARANCE:	Off-white solid
SOLUBILITY:	Soluble in DMSO (200 mg/ml), ethanol (100 mg/ml); Poorly soluble in water.
STORAGE CONDITIONS:	-20°C in the dark. Do not expose to sunlight or fluorescent lights for extended periods.
BACKGROUND:	Celecoxib is a highly selective COX-2 inhibitor and primarily inhibits prostaglandin production. Celecoxib is approximately 7.6-fold more selective for COX-2 inhibition over COX-1. This specificity allows celecoxib to reduce inflammation and pain while minimizing gastrointestinal adverse drug reactions that are common with non-selective non-steroidal anti-inflammatory drugs. Celecoxib is the active ingredient in the drug sold under the trade name Celebrex or Celebra in some countries.
CAUTION:	Do not ingest, swallow, or inhale. Do not get in eyes or on skin. Care should be taken to prevent contact through all routes of exposure.
USAGE:	For Research Use Only! Not to be used in humans.

FEATURED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers & Inhibitors
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- Taq & Pfu DNA Polymerase
- T4 DNA Ligase

Recombinant Growth Factors and Cytokines

Polyclonal & monoclonal Antibodies